

NONINDUCTIVE WINDING AND PERMANENT CURRENT SWITCH

Patent number: JP2004040036
Publication date: 2004-02-05
Inventor: GOTO KENJI; SAITO TAKASHI
Applicant: FUJIKURA LTD
Classification:
- **International:** *H01F6/06; H01H33/00; H01F6/06; H01H33/00; (IPC1-7): H01F6/06; H01H33/00*
- **European:**
Application number: JP20020198609 20020708
Priority number(s): JP20020198609 20020708

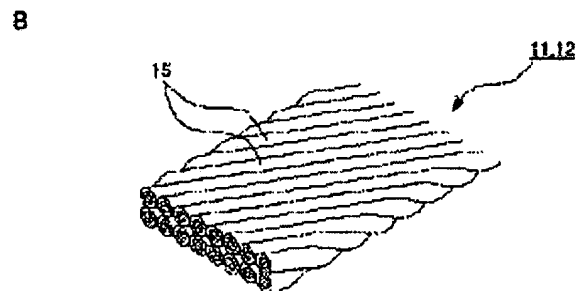
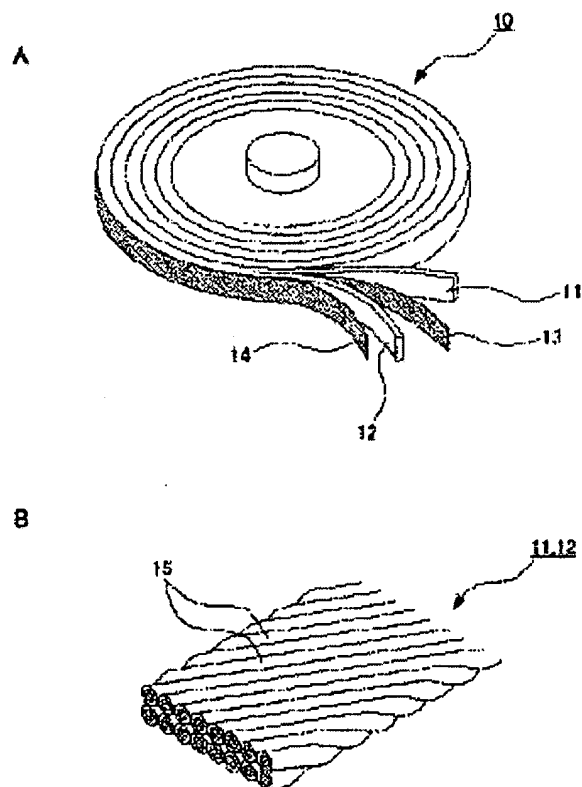
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Abstract of JP2004040036

PROBLEM TO BE SOLVED: To provide a noninductive winding in which superior cooling efficiency is obtained to constitute a permanent current switch with high speed switching operation.

SOLUTION: In a superconductive coil (noninductive winding) 10, two superconductive shaped twisted wires 11 and 12 are superposed while one end of which is joined to another, and insulating tapes 13 and 14 are arranged along an outer peripheral surface of each of the superconductive shaped twisted wire, respectively, and wound like a coil shape with the joining part as a starting point.

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